CLAIMS

1. Intervertebral implant for stabilizing adjacent vertebrae, comprising a solid biocompatible material implant body (1) having a tubular general structure delimited by an upper wall (2) and a lower wall (3) that are convex and slightly divergent toward the front, two opposite lateral walls (4, 5) that are plane and slightly divergent toward the front, and a posterior wall (6) with a threaded axial hole (7), with a single interior cavity (9) providing communication between orifices provided in the upper wall (2) and the lower wall (3), characterized in that:

- the upper wall (2) and the lower wall (3) each comprise a respective single large upper orifice (10) or lower orifice (11),

- an interchangeable compression plug (19) is adapted to be fitted by screwing it into the threaded axial hole (7) in the posterior wall (6),

- the interior cavity (9) is closed toward the front by an anterior wall (8),

- the width of the implant defined by the lateral walls (4, 5) is less than its height defined by the upper wall (2) and the lower wall (3).

2. Implant according to claim 1, characterized in that, because of the upper orifice (10) and the lower orifice (11), the interior cavity (9) is open over the whole of its width between the lateral walls (4, 5) and over the whole of its length between the posterior wall (6) and the anterior wall (8).

3. Implant according to either claim 1 or claim 2, characterized in that the interchangeable compression plug (19) comprises a conical interior end portion (20).

4. Implant according to any one of claims 1 to 3, characterized in that the interchangeable compression plug (19) and the threaded axial hole (7) that receives

it have a diameter substantially equal to the width of the interior cavity (9) in the vicinity of the posterior wall (6).

5. Implant according to any one of claims 1 to 4, characterized in that the interchangeable compression plug (19) has a length such that, at the end of screwing it into the threaded axial hole (7) that receives it, its interior end portion (20) penetrates the interior cavity (9) to a distance of at least one quarter of the length of said interior cavity (9).

6. Implant according to any one of claims 1 to 5, characterized in that it is provided with at least two interchangeable compression plugs (19) having different lengths.

7. Implant according to any one of claims 1 to 6, characterized in that the posterior wall (6) of the implant body (1) includes an external diametral groove (12) for actuating axial rotation of the implant.

8. Implant according to any one of claims 1 to 7, characterized in that the anterior wall (8) includes an eccentric threaded hole (13) of smaller diameter.

9. Implant according to any one of claims 1 to 8, characterized in that the upper larger wall (2) and the lower larger wall (3) include annular toothed anti-expulsion ribs (14, 15, 16).

10. Implant according to any one of claims 1 to 9, characterized in that the interchangeable compression plug (19) is made of titanium.

11. Implant according to any one of claims 1 to 10, characterized in that the implant body (1) is made of a PEEK type polymer.

12. Implant according to claim 11, characterized in that it comprises a titanium marker in the implant body (1) away from the interchangeable compression plug (19).

13. Implant according to any one of claims 1 to 12, characterized in that the upper wall (2) and lower wall (3) are each of conical general shape and the upper orifice (10) and lower orifice (11) are each bordered at their anterior and posterior ends by a flat (21, 22) perpendicular to the lateral walls (4, 5).